

LONDON- WEST MIDLANDS ENVIRONMENTAL STATEMENT

Volume 5 | Technical Appendices

CFAg | Central Chilterns

Impact assessment tables (CH-003-009)

Cultural heritage

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CFA9 | Central Chilterns

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Department
for Transport

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1 **Introduction**

1.1 **Structure of the cultural heritage appendices**

- 1.1.1 The cultural heritage appendices for the Central Chilterns community forum area (CFAg) comprise:
- baseline reports (Volume 5: Appendix CH-001-009);
 - a gazetteer of heritage assets (Volume 5: Appendix CH-002-009);
 - an impact assessment (this appendix); and
 - survey reports (Volume 5: Appendix CH-004-009).
- 1.1.2 Maps referred to throughout the cultural heritage appendices are contained in the Volume 5, Cultural Heritage Map Book.

1.2 **Impact assessment**

- 1.2.1 Table 1 presents information on the impacts on all identified heritage assets and the likely resultant environmental effects, taking into account agreed mitigation measures. Details on the assignment of values and the assessment of the scale of impacts are set out in the Scope and Methodology Report (Volume 5: Appendix CT-001-000/1) and the Scope and Methodology Report Addendum (Volume 5: Appendix CT-001-000/2).

Table 1: Impact assessment for CFA9

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
CC001	Weedonhill Wood/High Spring/Ostler's Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CC002	Jay's Hatch Firing Ranges	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CC003	Kennel Farm	Two Grade II listed buildings	Moderate	<p>The construction of the tunnel shaft, bunding, planting and mass haulage on the A413 will interrupt rural and woodland views key to the building's value. This along with changes to the soundscape will slightly impact our ability to appreciate the building's historic context.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	Temporary low adverse	Temporary minor adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC004	Milestone	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CC005	Aylesbury to Chorleywood Railway	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value	No change	Neutral	No impact on value	No change	Neutral
CC006	Lime Farm Cottage	One Grade II listed building	Moderate	<p>The construction of the tunnel vent will require open groundworks, and haulage predominantly moving excavated materials south-east along the A413. There will also be landscaping works. This will alter rural and woodland views which contribute to the asset's setting and there will be a change in the soundscape.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	Temporary low adverse	Temporary minor adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC007	Bray's Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CC008	Turnpike road	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CC009	Listed buildings in Hyde Heath	Three Grade II listed buildings	Moderate	This group of three Grade II listed buildings on the north-eastern and north-western edges of Hyde Heath comprise Weedon Hill Cottages; No. 7 The Green and, Bray's Farmhouse. The Proposed Scheme will be in bored tunnel as it passes to the south-west. No. 7 The Green lies about 400m to the north-east of proposed landscaping works at the tunnel portal. The construction of the tunnel portal and associated construction activities will have a slight impact on	Temporary low adverse	Temporary minor adverse	The construction effect remains and there will be no further impact.	No change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				rural views from No. 7 The Green. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent minimal adverse	Permanent minor adverse			
CCo10	Todd's Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo11	White’s Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo12	Breache’s Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo13	Halfacre and Coleman's Woods	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo14	Little Missenden	Conservation area One Grade I listed building; 32 Grade II listed buildings	High	Little Missenden is a quiet, rural village with its eastern edge approximately 250m west of the Proposed Scheme. Construction of the tunnel vent will require open groundworks, and haulage of excavated materials predominantly south-east along the A413. There will also be landscaping works and minimal changes to the soundscape. This will not appreciably alter the rural quality of the village which contributes to the asset's setting. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Temporary minimal adverse Permanent No Change	Temporary low adverse Permanent Neutral	The construction effect remains and there will be no further impact.	No change	Neutral
CCo15	Artefacts from land in Little Missenden parish	None	Low	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
CC016	Searchlight battery No.50612	None	Low	The former site of this World War II searchlight battery lies within the boundary of land required, temporarily or permanently, for the construction of the Proposed Scheme. Potential buried archaeological remains will be removed which will slightly impact on the asset's historical and archaeological interest.	Low adverse	Negligible adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC017	Castle Tower	Scheduled monument	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CC018	Mantles Farm	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value	No change	Neutral	No impact on value	No change	Neutral
CC019	Mantle's Wood	Ancient woodland	High	<p>The Proposed Scheme will be in bored tunnel, changing to cutting, through this ancient woodland. The installation of a temporary compound, construction of the Chiltern Tunnel North Portal buildings and a 100m long porous portal acoustic structure and extensive landscaping to the north, east and west will require the removal of approximately 6.2 ha of the woodland.</p> <p>The asset's value lies in its potential for the survival of well preserved archaeological remains of woodland management and industries typical of woodland such as wood banks, saw pits, quarries and small settlements. It is also a probable surviving remnant of more extensive forest as part of the mosaic of other stands of surviving ancient woodland in the surrounding landscape. The removal of this area of woodland will be a noticeable impact such that its value is affected.</p>	Medium adverse	Major adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC020	Part of the Missenden parish boundary on north-west edge of Farthing's Wood	Historically important hedgerow	Moderate	The Proposed Scheme will require the removal of a section of this hedgerow such that the asset's value is noticeably different.	Medium adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC021	Part of the Missenden parish boundary to north-east of Mantle's Wood	Historically important hedgerow	Moderate	The Proposed Scheme will require the removal of a section of this hedgerow such that the asset's value is noticeably different.	Medium adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC022	Hyde Heath	None	Low	<p>Hyde Heath village lies outside the land required, temporarily or permanently, for the construction of the Proposed Scheme and approximately 300m to the north-east of proposed landscaping works, though Hyde Heath Farm on the western edge of the settlement lies adjacent to proposed landscaping works. These works will alter the soundscape and affect views in the settlement's wider rural setting. This will have a noticeable impact on the value of the asset.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	<p>Temporary moderate adverse</p> <p>Permanent minimal adverse</p>	<p>Temporary minor adverse</p> <p>Permanent negligible</p>	The construction effect remains and there will be no further impact.	No change	Neutral
CC023	Clay / Chalk Pits	None	Not Significant	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the	No change	Neutral	No impact on value	No change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				asset.					
CCo24	Artefacts on land north-west of Hyde Heath Farm	None	Moderate	The Proposed Scheme will require landscaping works north-west of Hyde Heath Farm. This will require the removal of a very small percentage of land which will affect potential surface and buried remains of prehistoric and medieval date associated with the exploitation of flint resources and with later settlement and land use. These works will have a slight impact on the asset's potential evidential interest.	Low adverse	Minor adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CCo25	Hawthorn Farm	Five Grade II listed buildings	Moderate	<p>The Proposed Scheme will be in cutting approximately 1.2km from Hawthorn Farm, as it passes through Mantle's Wood and along the northern tip of Farthing's Wood. Views will be obscured by intervening woodlands, topography and other landscape features. There will be landscaping works around the northern edge of Mantle's Wood and Farthing's Wood, approximately 900m from Hawthorn Farm which will have no appreciable impact the setting of the asset to an extent that its value is affected.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	<p>Temporary minimal adverse</p> <p>Permanent no change</p>	<p>Temporary minor adverse</p> <p>Permanent neutral</p>	The construction effect remains and there will be no further impact.	No change	Neutral
CCo26	Hyde House	Two Grade II listed buildings	Moderate	<p>The Proposed Scheme will be in cutting at its closest point to Hyde House, approximately 1km to the south-west, as it passes through Mantle's Wood and along the northern tip of Farthing's Wood. Views will be obscured by intervening woodlands, topography and other landscape features. Landscaping works around the northern edge of Mantle's Wood and Farthing's Wood, approximately 300m from Hyde House will cause an increase in the soundscape arising from construction vehicles, which will alter the setting of the asset such that its value is slightly affected.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	<p>Temporary low adverse</p> <p>Permanent minimal adverse</p>	<p>Temporary minor adverse</p> <p>Permanent minor adverse</p>	The construction effect remains and there will be no further impact.	No change	Neutral
CCo27	Great Hunbridge Manor	Two Grade II* listed buildings; one Grade II listed building	High	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo28	Devil's Den	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo29	Willow Coppice	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a	No change	Neutral	No impact on value	No change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.					
CC030	Farthing's Wood	Ancient woodland	High	<p>The Proposed Scheme will be in cutting across the northern part of this ancient woodland and extensive landscaping to the east will require the removal of approximately 0.5ha of the woodland such that the asset's value will be affected.</p> <p>The woodland's value lies in its potential for the survival of well preserved archaeological remains of woodland management and industries typical of woodland such as wood banks, saw pits, quarries and small settlements. It is also a probable surviving remnant of more extensive forest as part of the mosaic of other stands of surviving ancient woodland in the surrounding landscape. The removal of this area of woodland will be a noticeable impact such that its value is affected.</p>	Medium adverse	Major adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC031	Former pits	None	Not Significant	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CC032	Great Missenden's remnant medieval agricultural hinterland	None	Low	<p>The Proposed Scheme will be in green tunnel at Chesham Road, moving into cutting just south-west of Jenkin's Wood and continuing northwards to Leather Lane at the edge of the study area. There will be satellite construction compounds north of Frith Hill and west of Jenkins Wood, excavated material stockpiles and landscaping works between Chesham Road and Frith Hill, north of Frith Hill and west of Springfield Farm.</p> <p>Approximately 20 percent of these very degraded ridge and furrow earthwork remains, which represent a limited surviving element of the historic landscape in the Misbourne Valley, will be removed. This will affect the value of the asset and have a noticeable impact on its setting resulting in a change in our ability to understand and appreciate the resource in its historical context and setting.</p>	Moderate adverse	Minor adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC033	Orchard Cottage	None	Low	<p>Orchard Cottage, Frith Hill lies just outside the land required, temporarily or permanently, for the construction of the Proposed Scheme. There will be a satellite construction compound just to the north and excavated material stockpiles close by to the north and south of Frith Hill.</p> <p>Construction works will interrupt rural views which contribute to the building's value. This along with changes to the soundscape will noticeably impact our ability to appreciate the building's historic context.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	<p>Temporary high adverse</p> <p>Permanent low adverse</p>	<p>Temporary moderate adverse</p> <p>Permanent minor adverse</p>	The construction effect remains and there will be no further impact.	No change	Neutral
CC034	Artefacts on land to the north of Rowan Farm between the junctions of Hyde Lane and Chesham	None	Low	The Proposed Scheme will be in cutting and green tunnel between Hyde Lane and Chesham Road and associated bridge work on Hyde Lane, surface water provision and landscaping south of King's Pond Cottage (CC112) will	High adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
	Road			require the removal of the majority of an area of land to the north of Rowan Farm between the junctions of Hyde Lane and Chesham Road. Fieldwalking here yielded a few surface finds of prehistoric, Roman and medieval date probably associated with the exploitation of flint resources and with later settlement and land use. This asset may have some evidential interest inherent in the potential for further associated finds of similar type and date. The impact of the Proposed Scheme will change to the value of the asset such that it is totally altered or destroyed.					
CC035	Artefacts on land between Hedgemoor Wood and Cudsden's Farm and north of Broome Farm	None	Moderate	The Proposed Scheme will be in cutting, changing to green tunnel, between Hedgemoor Wood and Cudsden's Farm. Surface water provision, temporary earthworks stockpiling and landscaping west of Broome Farm will require the removal of approximately 10 percent of an area of land between Hedgemoor Wood and Cudsden's Farm and north of Broome Farm. Fieldwalking and metal detector surveys here yielded finds of prehistoric, Roman and medieval date. Much of the medieval pottery may be associated with a potential medieval farmstead at Cudsden's Farm. The value of this asset lies in the evidential interest inherent in its potential to contribute to the understanding of the extent of human activity in the Misbourne Valley landscape in the prehistoric period on the basis of discoveries of lithic material. It also lies in the evidential interest inherent in the site's potential for surviving buried archaeological remains associated with a possible medieval farmstead. The impact of the Proposed Scheme will affect the value of the asset.	Medium adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC036	Hyde Farm	Two Grade II listed buildings	Moderate	The Proposed Scheme will be in cutting through Hyde Lane, then green tunnel through Chesham Road and King's Lane. This will require the realignment of King's Lane, the realignment of Chesham Road, an overbridge at Hyde Lane and access to the South Heath Green Tunnel Portal. There will also be extensive landscaping and stopping up and diversion of public rights of way. This will affect the Grade II listed buildings at Hyde Farm. The character of their setting, comprising the rural Hyde Lane and King's Lane, and the rural, agricultural context in which the group is set contributes to their value and this will be comprehensively changed. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Temporary high adverse Permanent medium adverse	Temporary major adverse Permanent moderate adverse	Hyde Farm will experience noise and visual intrusion from passing trains. This will constitute a medium adverse impact resulting in a moderate adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a moderate adverse effect.	Operational medium adverse In combination medium adverse	Operational moderate adverse In combination moderate adverse
CC037	Hedgerow alongside Missenden Abbey landscape park	Historically important hedgerow	Moderate	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme and construction will not affect its setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CC038	The Castle, Rook Wood	Scheduled monument	High	The Proposed Scheme will be in cutting approximately 700m to the east as it passes The Castle in Rook Wood. Construction will require excavated material stockpiling	Temporary low adverse	Temporary moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				<p>approximately 350m to the north-east and extensive landscaping approximately 100m to the south of the scheduled monument to the south. The rural character of the monument's setting, comprising the surrounding woodland and to a lesser extent agricultural fields to the east and south, will be slightly changed during the construction phase. This will result in a slight change in our ability to understand and appreciate the asset and its historical context and setting.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed.</p>	Permanent minimal adverse	Permanent low adverse			
CCo39	Rook Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo40	The Hucketts	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo41	Former Brickworks	None	Low	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CCo42	Chapel Farm	None	Low	<p>Chapel Farm lies very partially within land required, temporarily or permanently, for the construction of the Proposed Scheme. A modern outbuilding within its setting will be demolished but this building does not contribute to the asset's value. The wider setting of Chapel Farm comprising the rural Hyde Lane and the rural, agricultural context in which the farm lies will be comprehensively changed resulting in changes in our ability to understand and appreciate the asset and its historical context and setting.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	<p>Temporary high adverse</p> <p>Permanent medium adverse</p>	<p>Temporary moderate adverse</p> <p>Permanent minor adverse</p>	Chapel Farm will experience noise from passing trains. This will constitute a medium adverse impact resulting in a minor adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a Minor adverse effect.	<p>Operational medium adverse</p> <p>In combination medium adverse</p>	<p>Operational minor adverse</p> <p>In combination minor adverse</p>
CCo43	Sheepcotts	None	Low	<p>Sheepcotts lies just outside land required, temporarily or permanently, for the construction of the Proposed Scheme. Its setting comprises the rural Hyde Lane and the rural, agricultural context in which the building lies will be comprehensively changed with the construction of the proposed scheme. This will result in changes in our ability to understand and appreciate the asset and its historical context and setting.</p> <p>The construction impact of the Proposed Scheme will reduce</p>	<p>Temporary high adverse</p> <p>Permanent</p>	<p>Temporary moderate adverse</p> <p>Permanent minor</p>	Sheepcotts will experience noise from passing trains. This will constitute a medium adverse impact resulting in a minor adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a Minor adverse effect.	Operational medium adverse	Operational minor adverse

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				once construction activities are completed and planting matures.	medium adverse	adverse		In combination medium adverse	In combination minor adverse
CCo44	Friendly Lodge Farm (The Hyde)	None	Low	This asset, now known as The Hyde, lies outside the land required, temporarily or permanently, for the construction of the Proposed Scheme. Its setting comprises its rural, agricultural context along with associated views which will be noticeably different. This will result in changes in our ability to understand and appreciate the asset and its historical context and setting.	Temporary medium adverse	Temporary minor adverse	Friendly Lodge Farm (The Hyde) will experience noise from passing trains. This will constitute a medium adverse impact resulting in a minor adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a Minor adverse effect.	Operational medium adverse	Operational minor adverse
				The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent low adverse	Permanent minor adverse		In combination medium adverse	In combination minor adverse
CCo45	Sheepcotts Cottage	One Grade II listed building	Moderate	The Proposed Scheme will be in cutting through Hyde Lane, then green tunnel through Chesham Road and King's Lane. This will require the realignment of King's Lane, the realignment of Chesham Road, an overbridge at Hyde Lane and access to the South Heath Green Tunnel Portal. There will also be extensive landscaping and stopping up and diversion of public rights of way. This will comprehensively change the character of this asset's setting, comprising the rural Hyde Lane and King's Lane, and the rural, agricultural context and views in which it is set, resulting in changes in our ability to understand and appreciate the asset and its historical context and setting.	Temporary high adverse	Temporary major adverse	Sheepcotts Cottage will experience noise from passing trains. This will constitute a medium adverse impact resulting in a moderate adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a moderate adverse effect.	Operational medium adverse	Operational moderate adverse
				The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent medium adverse	Permanent moderate adverse		In combination medium adverse	In combination moderate adverse
CCo46	Briarwood	One Grade II listed building	Moderate	The Proposed Scheme will be in cutting through Hyde Lane, then green tunnel through Chesham Road and King's Lane. This will require the realignment of King's Lane, the realignment of Chesham Road, an overbridge at Hyde Lane and access to the South Heath Green Tunnel Portal. There will also be extensive landscaping and stopping up and diversion of public rights of way. This will noticeably change the character of this asset's setting, comprising the rural and agricultural landscape to the north and south on Frith Hill and views in which it is set.	Temporary medium adverse	Temporary moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral
				The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent low adverse	Permanent minor adverse			
CCo47	Granary at Cudsden's Farm	One Grade II listed building	Moderate	The Proposed Scheme will be in cutting through Hyde Lane, then green tunnel through Chesham Road and King's Lane. This will require the realignment of King's Lane, the realignment of Chesham Road, an overbridge at Hyde Lane and access to the South Heath Green Tunnel Portal. There will also be extensive landscaping and stopping up and diversion of public rights of way. This will comprehensively change the character of this asset's setting, comprising the rural and agricultural landscape to the north and south on Frith Hill and views in which it is set.	Temporary high adverse	Temporary major adverse	The construction effect remains and there will be no further impact.	No change	Neutral
				The construction impact of the Proposed Scheme will reduce					

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				once construction activities are completed and planting matures.	Permanent low adverse	Permanent minor adverse			
CCo48	86 King's Lane	One Grade II listed building	Moderate	<p>The Proposed Scheme will be in cutting through Hyde Lane, then green tunnel through Chesham Road and King's Lane. This will require the realignment of King's Lane, the realignment of Chesham Road, an overbridge at Hyde Lane and access to the South Heath Green Tunnel Portal. There will also be extensive landscaping and stopping up and diversion of public rights of way. This will comprehensively change the character of this asset's setting, comprising King's Lane, and the rural, agricultural context and views in which it is set.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	Temporary high adverse	Temporary major adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CCo49	South Heath Farmhouse	One Grade II listed building	Moderate	<p>The Proposed Scheme will be in cutting through Hyde Lane, then green tunnel through Chesham Road and King's Lane. This will require the realignment of King's Lane, the realignment of Chesham Road, an overbridge at Hyde Lane and access to the South Heath Green Tunnel Portal. There will also be extensive landscaping and stopping up and diversion of public rights of way. This will noticeably change the character of this asset's setting such that its value is affected.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	Temporary medium adverse	Temporary moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CCo50	Sibley's Coppice	Ancient woodland	High	<p>The Proposed Scheme will be in green tunnel (South Heath Green Tunnel) through this ancient woodland which will require the removal of approximately 2.1 ha of the woodland. The surrounding roads will also be used as haul routes.</p> <p>The woodland's value lies in its potential for the survival of well preserved archaeological remains of woodland management and industries typical of woodland such as wood banks, saw pits, quarries and small settlements. It is also a probable surviving remnant of more extensive forest as part of the mosaic of other stands of surviving ancient woodland in the surrounding landscape. The removal of this area of woodland will be a noticeable impact such that its value is affected.</p>	Medium adverse	Major adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CCo51	Missenden Abbey	<p>Conservation area</p> <p>One Grade II registered park and garden</p> <p>One Grade I listed building; nine grade II</p>	High	Construction of the Proposed Scheme will be in cutting and green tunnel, approximately 700m to the east of Missenden Abbey and the assets within it including Grade I Church of St Peter and Paul set within the Grade II parkland. There will be extensive landscaping and a haul route along Chesham Road and Frith Hill passing within 150m of the Church of St Peter and Paul and Missenden Abbey parkland. Increased levels of vehicle and plant noise and traffic in the landscaping area and along the haul route will alter the appreciation of the rural agricultural landscape setting and views across the rolling hills of the rising valley side to the east and south.	Temporary low adverse	Temporary moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral

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Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				matures.					
CCo58	Atkins's and Hobbshill Woods	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo59	Angling Spring Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo60	Chiltern Cottage	None	Low	Land required, temporarily or permanently, for the construction of the Proposed Scheme will necessitate the demolition of this building.	High adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CCo61	Weights and Measures Gym	None	Low	Land required, temporarily or permanently, for the construction of the Proposed Scheme will necessitate the demolition of this building.	High adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CCo62	Stocking's Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo63	Rignall Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo64	Artefacts on land between Chesham Road and Frith Hill passing through Sibley's Coppice Ancient Woodland	None	Moderate	Construction of the Proposed Scheme in green tunnel between Chesham Road and Frith Hill along with temporary earthworks stockpiling will affect the majority of an area of potential surface and buried remains of prehistoric date associated with the exploitation of flint resources and land use. The asset's value will be affected.	Medium adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CCo65	Moated site and enclosures at Redding Wick	Scheduled monument	High	Construction of the Proposed Scheme will be about 850m to the west of the asset and will be in cutting and a green tunnel. Extensive areas of landscaping will be located in fields 450m to the south-west, though this is to be obscured by existing landscape features, topography and housing on the southern edge of South Heath. There will be little effect and no real change in the rural nature of the monument's	Temporary minimal adverse	Temporary minor adverse	The construction effect remains and there will be no further impact.	No Change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				wooded, rural setting during construction. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent no change	Permanent neutral			
CCo66	Archaeology at Bury Farm	None	High	Construction of the Proposed Scheme will be adjacent on the western side of an area of buried archaeological remains and earthworks associated with medieval and post-medieval settlement and agriculture. The site is set within an extensive focus of probable pottery production on Potter Row (CCo77). Land required, temporarily or permanently, for the construction of the Proposed Scheme will remove approximately five percent of the area on land at the western edge of Bury Farm. This will result in a slight change to the value of the asset.	Low adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CCo67	Hedgerow south-west of Bury Farm	Historically important hedgerow	Moderate	The Proposed Scheme will require the removal of a section of this hedgerow such that the asset's value is noticeably different.	Medium adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CCo68	Hedgerow west of Bury Farm	Historically important hedgerow	Moderate	The Proposed Scheme will require the removal of a section of this hedgerow such that the asset's value is noticeably different.	Medium adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CCo69	Hedgerow north-west of Bury Farm	Historically important hedgerow	Moderate	The Proposed Scheme will require the removal of a section of this hedgerow such that the asset's value is noticeably different.	Medium adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CCo70	Bury Farm	Four Grade II listed buildings	Moderate	Construction of the Proposed Scheme will be in green tunnel exiting into cutting at the South Heath Green Tunnel North Portal as it passes within 200m to the west of Bury Farm. This will require landscaping, temporary earthworks stockpiling and a construction compound. There will also be construction phase works to stop up and divert public rights of way and to reinstate Frith Hill over the green tunnel. Views to the west of the farm's rolling agricultural land, rising to the west with Jenkin's Wood on their north side will be severed such that the asset group's value will be noticeably altered. The construction impact of the Proposed Scheme will remain once construction activities are completed since views to the west and towards Jenkin's Wood will remain severed such that the asset group's value will be noticeably altered.	Temporary medium adverse Permanent medium adverse	Temporary moderate adverse Permanent moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CCo71	Hedgerow on the west side of Jenkin's Wood	Historically important hedgerow	Moderate	The Proposed Scheme will require the removal of a section of this hedgerow such that the asset's value is noticeably different.	Medium adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CCo72	Hedgerow on the north side of Jenkin's Wood	Historically important	Moderate	The Proposed Scheme will require the removal of a section of this hedgerow such that the asset's value is noticeably	Medium adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
		hedgerow		different.					
CCo73	Jenkin's Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo74	Possible Medieval Enclosure north of Hillcroft	None	Moderate	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CCo75	Hillcroft	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo76	Artefacts on land at Springfield Farm, Potter Row	None	Moderate	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CCo77	Potter Row	None	High	<p>Construction of the Proposed Scheme will be in green tunnel, changing to cutting at the South Heath Green Tunnel North Portal as it passes Bury Farm between Frith Hill and Leather Lane. This will require landscaping, an attenuation pond, temporary earthworks stockpiling and a construction compound at Leather Lane. Public rights of way will be stopped up and diverted and there will be a new permanent diversion of Leather Lane over the Proposed Scheme.</p> <p>Potter Row lies on the eastern edge of the route and represents a possible extensive medieval and post-medieval focus of pottery production. The area includes land around the Grade II listed buildings at Bury Farm (CCo70) associated with non-designated medieval and post-medieval archaeological remains (CCo66). It also includes the ancient woodland at Jenkin's Wood (CCo73), where further archaeological remains have been found, and extends northwards to Hammondshall Farm (CCo94).</p> <p>These construction works will affect approximately five percent of an area of earthwork and buried archaeological remains of medieval and post-medieval pottery manufacture and associated industrial or settlement remains. This will result in a slight impact on the asset such that its value is slightly affected.</p>	Low adverse	Moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CCo78	Park Farm	None	Low	Construction of the Proposed Scheme, 250m to the west of Park Farm, Potter Row, will be in cutting. There will be also associated landscaping and temporary earthworks stockpiling. The asset's setting comprises its surrounding buildings and gardens set within the wider rural, agricultural landscape. This setting will be noticeably different, affecting the value and resulting in changes in our ability to understand and appreciate the asset and its historical	Temporary medium adverse	Temporary minor adverse	Park Farm will experience noise from passing trains. This will constitute a medium adverse impact resulting in a minor adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a Minor adverse effect.	Operational medium adverse	Operational minor adverse

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				context and setting. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent low adverse	Permanent minor adverse		In combination medium adverse	In combination minor adverse
CCo79	Springfield Farm	None	Low	Construction of the Proposed Scheme, 250m to the west of Springfield Farm, Potter Row will be in cutting. There will be associated landscaping and temporary earthworks stockpiling. Its setting comprises its surrounding buildings and gardens at Potter Row set within the wider rural, agricultural landscape. There will be a slight impact on the asset's historical context and setting.	Low adverse	Minor adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CCo80	Black Grove	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo81	Havenfield Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo82	Havenfields	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo83	Artefacts on land at Havenfields	None	Low	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CCo84	Rignall's Farm	Four Grade II listed buildings	Moderate	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo85	Rignall's	One Grade II listed building	Moderate	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo86	Coneybank Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo87	Furze Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural	No change	Neutral	No impact on value	No change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				surrounds are rarely contemporary.					
CCo88	Road Farmhouse	Two Grade II listed buildings	Moderate	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo89	Mortimer House and Crawley Farmhouse	Two Grade II listed buildings	Moderate	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo90	Pednor House	Four Grade II listed buildings	Moderate	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo91	Moated site immediately north-west of Little Pednor Farm	Scheduled monument	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CCo92	Great Pednor Manor	Two Grade II listed buildings	Moderate	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo93	Bellows Wood	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CCo94	Hammondshall Farmhouse	One Grade II listed building	Moderate	Construction of the Proposed Scheme will be in cutting as it passes Hammondshall Farm approximately 100m to the west. This will require landscaping, an attenuation pond, temporary earthworks stockpiling and a satellite construction compound located on the north side of Leather Lane, which itself will be diverted. Views of the surrounding agricultural landscape, which comprise the farm complex's setting, will be comprehensively changed due to their severance from the asset and changes to the soundscape arising from construction activities. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures. Views to the west overlooking the valley, however, will remain noticeably different due to their severance from the farm complex.	Temporary high adverse Permanent medium adverse	Temporary major adverse Permanent moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CCo95	Chalk pits	None	Not Significant	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CCo96	Milestone	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CCo97	Cottage Farm and Woodlands Park	Two Grade II listed buildings	Moderate	Construction of the Proposed Scheme in cutting approaching Grim's Ditch will comprehensively affect the settings of these assets which are located at the south-western end of the Grim's Ditch scheduled monument. They have a physical association with Grim's Ditch and the monument forms a key element in their setting. This will result in a comprehensive change in the value resulting in changes in our ability to	Temporary high adverse	Temporary major adverse	The construction effect remains and there will be no further impact.	No Change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				understand and appreciate their historical context. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures. Their setting, however, will remain noticeably different resulting in a change in our ability to understand and appreciate their historical context.	Permanent medium adverse	Permanent moderate adverse			
CC098	Artefacts on land east of Deepmill Lane	None	Moderate	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CC099	Milestone and bridge	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CC100	Former pit	None	Not significant	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CC101	Artefact find-spot on land at Deep Mill Farm	None	Moderate	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset.	No change	Neutral	No impact on value	No change	Neutral
CC102	Beeway Cottage	None	Low	Construction of the Proposed Scheme, 250m to the west of Beeway Cottage, Potter Row will be in cutting. There will be associated landscaping, temporary earthworks stockpiling and an attenuation pond. Its setting comprises its surrounding buildings and gardens at Potter Row set within the wider rural, agricultural landscape. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Temporary medium adverse Permanent low adverse	Temporary minor adverse Permanent minor adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
CC103	The Firs	None	Low	Construction of the Proposed Scheme, 250m to the west of The Firs, Potter Row will be in cutting. There will be associated landscaping, temporary earthworks stockpiling and an attenuation pond. Its setting comprises its surrounding buildings and gardens set within the wider rural, agricultural landscape. There will be a noticeable change in our ability to understand and appreciate the asset's historical context such that its value will be affected. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Temporary medium adverse Permanent low adverse	Temporary minor adverse Permanent minor adverse	The Firs will experience noise from passing trains. This will constitute a medium adverse impact resulting in a minor adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a minor adverse effect.	Operational medium adverse In combination medium adverse	Operational minor adverse In combination minor adverse
CC104	Hedgesparrow Cottage	None	Low	Construction of the Proposed Scheme, 250m to the west of Hedgesparrow Cottage, Potter Row will be in cutting. There will be associated landscaping, temporary earthworks stockpiling and an attenuation pond. Its setting comprises its surrounding buildings and gardens set within the wider rural, agricultural landscape. There will be a noticeable change in our ability to understand and appreciate the asset's historical context such that its value will be affected.	Temporary medium adverse	Temporary minor adverse	Hedgesparrow Cottage will experience noise from passing trains. This will constitute a medium adverse impact resulting in a minor adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a minor adverse effect.	Operational medium adverse	Operational minor adverse

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent low adverse	Permanent minor adverse		In combination medium adverse	In combination minor adverse
CC105	The Lamb	None	Low	Construction of the Proposed Scheme, 250m to the west of The Lamb, Potter Row will be in cutting. There will be associated landscaping, temporary earthworks stockpiling and an attenuation pond. Its setting comprises its surrounding buildings and gardens set within the wider rural, agricultural landscape. There will be a noticeable change in our ability to understand and appreciate the asset's historical context such that its value will be affected.	Temporary medium adverse	Temporary minor adverse	The Lamb will experience noise from passing trains. This will constitute a medium adverse impact resulting in a minor adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a minor adverse effect.	Operational medium adverse	Operational minor adverse
				The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent low adverse	Permanent minor adverse		In combination medium adverse	In combination minor adverse
CC106	Lamb Cottage and Sunnyside	None	Low	Construction of the Proposed Scheme, 250m to the west of the semi-detached Lamb Cottage and Sunnyside, Potter Row will be in cutting. There will be associated landscaping, temporary earthworks stockpiling and an attenuation pond. Its setting comprises its surrounding buildings and gardens set within the wider rural, agricultural landscape. There will be a noticeable change in our ability to understand and appreciate the asset's historical context such that its value will be slightly affected.	Temporary medium adverse	Temporary minor adverse	Lamb Cottage and Sunnyside will experience noise from passing trains. This will constitute a medium adverse impact resulting in a minor adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a minor adverse effect.	Operational medium adverse	Operational minor adverse
				The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent low adverse	Permanent minor adverse		In combination medium adverse	In combination minor adverse
CC107	Three Bears Cottage	None	Low	Construction of the Proposed Scheme adjacent to Three Bears Cottage will be in cutting. There will also be extensive landscaping works and excavated material stockpiling to the east and north-east. The asset's rural setting, which contributes to its value, will be comprehensively changed.	Temporary high adverse	Temporary moderate adverse	The construction effect remains and there will be no further impact.	No Change	Neutral
				The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Permanent medium adverse	Permanent minor adverse			
CC108	Redding Wick	Ancient woodland	High	The asset is not within the land required, temporarily or permanently, for the construction of the Proposed Scheme. The development does not, therefore, affect the value of the asset. Its setting is not a contributing factor to the value as ancient woodland is nearly always a surviving fragment of a much larger, since lost landscape, and hence the agricultural surrounds are rarely contemporary.	No change	Neutral	No impact on value	No change	Neutral
CC109	Mantle's Wood earthworks	None	High	Construction of the Proposed Scheme will be in bored tunnel, changing to cutting, through Mantle's Wood. The construction of Chiltern Tunnel North Portal buildings, a 100m long porous portal acoustic structure and extensive landscaping to the north, east and west will affect part of an area of surviving earthwork remains and associated potential buried archaeological remains of possible medieval date in Mantle's Wood, such that the asset's value will be affected.	Medium adverse	Major adverse	The construction effect remains and there will be no further impact.	No Change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
CC110	Chiltern's Cottage	None	Low	Construction of the Proposed Scheme, 250m to the west of Chiltern's Cottage, Potter Row will be in cutting. There will be associated landscaping, temporary earthworks stockpiling and an attenuation pond. Its setting comprises its surrounding buildings and gardens set within the wider rural, agricultural landscape. There will be a noticeable change in our ability to understand and appreciate the asset's historical context such that its value will be affected. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Temporary medium adverse Permanent low adverse	Temporary minor adverse Permanent minor adverse	Chiltern's Cottage will experience noise from passing trains. This will constitute a medium adverse impact resulting in a minor adverse effect. In combination with the permanent construction impacts of the Proposed Scheme this will result in a medium adverse impact resulting in a minor adverse effect.	Operational medium adverse In combination medium adverse	Operational minor adverse In combination minor adverse
CC111	Frith Hill Farm	None	Low	Frith Hill Farm, Frith Hill lies just outside the land required, temporarily or permanently, for the construction of the Proposed Scheme. There will a satellite construction compound 120m to the north-east and excavated material stockpiles close by to the north and south of Frith Hill. Construction works will interrupt rural views which contribute to the asset's value. This along with changes to the soundscape will noticeably affect our ability to appreciate the building's historic context. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Temporary medium adverse Permanent low adverse	Temporary minor adverse Permanent minor adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC112	King's Pond Cottage	None	Low	King's Pond Cottage lies outside the land required, temporarily or permanently, for the construction of the Proposed Scheme. It is, however, surrounded by it. There will be construction works for the Chiltern Tunnel north cutting and South Heath green tunnel along with associated landscaping works which include infrastructure mitigation earthworks just south of the asset. Construction works will interrupt rural views which contribute to the asset's value. This along with changes to the soundscape on Chesham Road, which will be used as a haul route, will noticeably affect our ability to appreciate the building's historic context. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.	Temporary medium adverse Permanent low adverse	Temporary minor adverse Permanent minor adverse	The construction effect remains and there will be no further impact.	No change	Neutral
CC113	Wick Cottage and Littlewood Place, Little Wood Corner	None	Low	These assets lie outside the land required, temporarily or permanently, for the construction of the Proposed Scheme. There will be construction works for the South Heath green tunnel along with associated landscaping works which include grassland habitat creation to the south-west of the assets. Construction works will interrupt rural views which contribute to the assets' value. This will slightly affect our ability to appreciate their historic context. The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting	Temporary low adverse Permanent no change	Temporary minor adverse Permanent neutral	The construction effect remains and there will be no further impact.	No change	Neutral

Unique ID	Name	Designation(s)	Value	Construction Impacts			Operation Impacts		
				Nature of Impact including mitigation	Scale of Impact	Effect	Nature of Impact including mitigation	Scale of Impact	Effect
				matures.					
CC114	South Heath Cottage	None	Low	Construction will not affect the fabric, setting or appreciation of the asset to a degree that detracts from its value.	No change	Neutral	No impact on value	No change	Neutral
CC115	Hyde End Hall	None	Low	<p>Hyde End Hall lies outside the land required, temporarily or permanently, for the construction of the Proposed Scheme. It is, however, surrounded by it. There will be construction works for the Chiltern Tunnel north cutting and South Heath green tunnel along with associated landscaping works which include infrastructure mitigation earthworks just south of the asset.</p> <p>Construction works will interrupt rural views which contribute to the asset's value. This along with changes to the soundscape on Chesham Road, which will be used as a haul route, will noticeably affect our ability to appreciate the building's historic context.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures.</p>	<p>Temporary medium adverse</p> <p>Permanent low adverse</p>	<p>Temporary minor adverse</p> <p>Permanent minor adverse</p>	The construction effect remains and there will be no further impact.	No change	Neutral
CC116	Hyde Heath Cottage	None	Low	<p>Hyde Heath Cottage lies outside the land required, temporarily or permanently, for the construction of the Proposed Scheme. There will be construction works for the Chiltern Tunnel north cutting and South Heath green tunnel along with associated landscaping works which include infrastructure mitigation earthworks to the west of the asset.</p> <p>Construction works will interrupt rural views which contribute to the asset's value. This will slightly affect our ability to appreciate the building's historic context.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures</p>	<p>Temporary low adverse</p> <p>Permanent no change</p>	<p>Temporary minor adverse</p> <p>Permanent neutral</p>	The construction effect remains and there will be no further impact.	No change	Neutral
CC117	Cottages at Middle Grove Farm	None	Low	<p>These assets lie outside the land required, temporarily or permanently, for the construction of the Proposed Scheme. There will be construction works for the Chiltern Tunnel north cutting and South Heath green tunnel along with associated landscaping works which include infrastructure mitigation earthworks to the west of the assets.</p> <p>Construction works will interrupt rural views which contribute to the assets' value. This will slightly affect our ability to appreciate their historic context.</p> <p>The construction impact of the Proposed Scheme will reduce once construction activities are completed and planting matures</p>	<p>Temporary low adverse</p> <p>Permanent no change</p>	<p>Temporary minor adverse</p> <p>Permanent neutral</p>	The construction effect remains and there will be no further impact.	No change	Neutral